FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Nemerow et al.	
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE
*	AA	4	3	5	6	2	7	0	10/26/82	Itakura	435	317	11/05/79
*	AB	4	4	3	1	7	4	6	02/14/84	Rollman	502	73	06/26/81
*	AC	4	5	2	2	8	1	1	06/11/85	Eppstein *et al.*	514	2	07/08/82
*	AD	4	5	7	5	0	1	3	03/11/86	Bartley	241	275	07/25/83
*	AE	4	7	1	9	1	7	9	01/12/88	Barany	435	172.1	11/30/84
*	AF	4	7	4	5	0	5	1	05/17/88	Smith *et al.*	435	68	05/27/83
*	AG	4	8	7	0	0	0	9	09/26/89	Evans *et al.*	435	70	12/15/83
*	AH	4	9	5	2	4	9	6	08/28/90	Studier *et al.*	435	91	12/29/86
*	AI	5	1	2	2	4	6	3	06/16/92	Varshavsky *et al.*	435	172.3	05/17/90
*	AJ	5	1	6	9	7	8	4	12/08/92	Summers *et al.*	435	320.1	09/17/90
*	AK	5	1	7	3	4	0	3	12/22/92	Tang *et al.*	435	6	01/19/90
*	AL	5	1	8	7	1	5	3	02/16/93	Cordell *et al.*	514	12	03/29/90
*	AM	5	2	0	4	2	5	4	04/20/93	Schmid *et al.*	435	202	05/29/91
*	AN	5	2	1	2	0	5	8	05/18/93	Baker *et al.*	435	252.33	11/08/91
*	AO	5	2	1	2	2	8	6	05/18/93	Lewicki *et al.*	530	324	06/05/86
*	AP	5	2	1	5	9	0	7	06/01/93	Tang *et al.*	435	219	01/30/92
*	AQ	5	2	2	0	0	1	3	06/15/93	Ponte *et al.*	536	23.5	11/30/89
*	AR	5	2	2	3	4	8	3	08/28/92	Thomas *et al.*	514	12	08/28/92
*	AS	5	2	2	7	2	9	3	07/13/93	Stengelin *et al.*	435	69.7	04/23/92
*	AT	5	2	2	7	4	6	9	07/13/93	Lazarus *et al.*	530	324	10/26/90
*	AU	5	2	2	9	2	7	9	07/20/93	Peoples *et al.*	435	135	08/13/90
*	AV	5	2	3	1	0	0	8	07/27/93	Oeda *et al.*	435	69.1	06/18/91
*	AW	5	2	4	0	8	3	1	08/31/93	Barns *et al.*	435	69.1	01/10/91

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*	AA	4	3	5	6	2	7	0	10/26/82	Itakura	435	317	11/05/79
*	AX	5	2	4	2	6	8	7	09/07/93	Tykocinski *et al.*	424	93	04/25/91
*	AY	5	2	4	3	0	4	1	09/07/93	Fernandez-Pol	536	23.5	08/22/91
*	AZ	5	2	4	4	8	0	5	09/14/93	Miller	435	320	01/17/91
*	BA	5	2	6	2	3	0	9	11/16/93	Nakamura *et al.*	435	69.5	09/22/89
*	BB	5	2	6	6	3	1	7	11/30/93	Tomalsi *et al.*	424	93	10/04/90
*	BC	5	2	7	0	4	5	8	12/14/93	Lemischka	536	23.5	11/19/92
*	BD	5	2	7	8	0	5	0	01/11/94	Summers	435	69.1	06/03/92
*	BE	5	2	8	1	5	2	5	01/25/94	Mitsushima *et al.*	435	197	04/22/91
	BF	5	5	2	1	2	9	1	05/28/96	Curiel *et al.*	530	391.7	12/15/93
	BG	5	7	1	2	1	3	6	01/27/98	Wickham *et al.*	435	172.3	04/17/96
*	BH	5	9	9	4	1	0	6	11/30/99	Kovesdi *et al.*	435	91.4	11/26/96
	BI	6	0	4	6	0	4	7	04/04/00	Crabtree *et al.*	435	320.1	09/16/98

(*) References previously cited **(X) Derwent English language abstract and/or English translation provided.**

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER								DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes	Translation No
	BJ	0	0	0	9	1	6	8	24/02/00	PCT	A61K 48	00		
	BK	0	0	5	3	7	9	0	14/09/00	PCT	C12N 15	87		
	BL	0	0	6	2	8	1	5	26/10/00	PCT	A61K 48	00		
	BM	0	0	6	6	7	3	6	09/11/00	PCT	C12N 15	12		
	BN	0	0	7	3	3	1	6	A2 07/12/00	PCT	C07H			

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	BO	0	1	0	7	0	8	4	A1 02/01/01	PCT	A61K 39	09		
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	BQ	1	9	8	0	7	2	65	A1 26/08/99	Germany	C12N 15	86		X*
	BR	1	9	8	4	9	6	43	A1 04/05/00	Germany	C07K 16	00		X*
	BS	1	9	9	3	3	2	88	A1 18/01/01	Germany	C07K 14	015		X*
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	BU	2	00	00	02	90	29	8	17/10/00	Japan	C07K 016	08		X*
	BV	2	7	5	8	8	2	2	A1 30/01/97	France	C07K 14	705		X*
	BW	9	1	0	7	9	7	7	13/06/91	PCT	A61K 37	00		
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	BY	9	6	0	7	7	3	4	14/03/96	PCT	C12N 7	01		
	BZ	9	7	0	5	2	6	6	13/02/97	PCT	C12N 15	87		
	CA	9	8	3	3	9	2	9	06/08/98	PCT	C12N 15	86		X
	CB	9	8	4	0	5	0	8	17/09/98	PCT	C12N 15	86		
*	CC	9	3	0	3	7	0	9	03/04/93	PCT				
*	CD	9	3	1	0	1	3	9	05/27/93	PCT				
*	CE	9	5	3	4	6	7	1	12/21/95	PCT				
*	CF	9	6	2	2	3	7	8	07/25/96	PCT				

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	CH	9	9	3	6	4	4	0	22/07/99	PCT	C07K 16	00		
	CI	9	9	3	9	7	3	4	12/08/99	PCT	A61K 39	02		
	CJ	9	9	4	0	2	1	4	12/08/99	PCT	C12N 15	86		

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*	CK	Altschul *et al.*, "Basic Local Alignment Search Tool," *J. Mol. Biol.*, 215: 403-410, (1990)
*	CL	Assil *et al.*, "Multivesicular Liposomes: Sustained Release of the Antimetabolite Cytarabine in the Eye," *Arch. Opthamol.*, 105:400-403, (1987)
*	CM	Ausubel *et al.*, *Current Protocols in Molecular Biology*, Suppl.8. p.2.11.7, John Wiley & Sons, New York, (1991)
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*	CO	Barbas *et al.*, "Assembly of combinatorial antibody libraries on phage surfaces: The gene III site," *Proc. Natl. Acad. Sci. U.S.A.*, 88:7978-7982, (1991)
*	CP	Batra *et al.*, "Insertion of constant region domains of human IgG_1, into CD4-PE40 increases its plasma half-life," *Molecular Immunology*, 30(4):379-386, (1993)
	CQ	Benihoud *et al.*, "Adenovirus vectors for gene delivery", *Current Opinion in Biotechnology*, 10:440-447 (1999)
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*	CT	Bett *et al.*, "Packaging Capacity and Stability of Human Adenovirus Type 5 Vectors," *J. Virol.*, 67(10):5911-5921, (1993)

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*	CU	Bilbao *et al.*, "Targeted Adenoviral Vectors For Cancer Gene Therapy," *Adv. Exp. Med. Biol.*, 451:365-374, (1998)
	CV	Boerger *et al.*, "Retroviral vectors preloaded with a viral receptor-ligand bridge protein are targeted to specific cell types", *Proc. Natl. Acad. Sci. U.S.A.*, 96:9867-9872 (1999)
*	CW	Brosius *et al.*, "Regulation of ribosomal RNA promoters with a synthetic *lac* operator," *Proc. Natl. Acad. Sci. U.S.A.*, 81:6929-6933, (1984)
*	CX	Brown *et al.*, "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene," *Meth. Enzymol.*, 68:108-151, (1979)
*	CY	Carlsson *et al.*, "Protein Thiolation and Reversible Protein-Protein Conjugation," *Biochem. J.*, 173:723-737, (1978)
*	CZ	Carpenter *et al.*, "Phosphoinositide kinases," *Curr. Opin. Cell Biol.*, 8:153-158, (1996)
*	DA	Carrillo, H. and Lipton, D., "The Multiple Sequence Alignment Problem in Biology," *SIAM J. Applied Math*, 48(5):1073, (1988)
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*	DC	Chen *et al.*, "Requirement of CDC42 for *Salmonella*-Induced Cytoskeletal and Nuclear Responses," *Science*, 274:2115-2118, (1996)
*	DD	Chiu *et al.*, "Structure of Adenovirus Complexed with Its Internalization Receptor, $\alpha_v\beta 5$ Integrin," *J. Virol.*, 73(8):6759-6768, (1999)
*	DE	Choi *et al.*, "A Generic Intron Increases Gene Expression in Transgenic Mice," *Mol. Cell. Biol.*, 11(6):3070-3074, (1991)
*	DF	Chou *et al.*, "The 70 kDa S6 Kinase Complexes with and Is activated by the Rho Family G Proteins Cdc42 and Rac1," *Cell*, 85:573-583, (1996)
*	DG	Chroboczek *et al.*, "The Sequence of Adenovirus Fiber:Similarities and Differences between Serotypes 2 and 5," *Virol.*, 161:549-554, (1987)
*	DH	Cooper *et al.*, "Complement and Infectious Agents: A tale of Disguise and Deception," *Complement Inflamm.*, 6:249-258, (1989)
*	DI	Cooper *et al.*, "Complement, viruses, and virus-infected cells," *Springer Semin Immunopathol.*, 6(4):327-347, (1983)

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*	DJ	Cooper *et al.*, "The Role of Antibody and Complement in the Control of Viral Infections," *J. Invest. Dermatol.*, 83:121s-127s, (1984)
*	DK	Corsaro *et al.*, "Enhancing the Efficiency of DNA-Mediated Gene Transfer in Mammalian Cells," *Somatic Cell Genetics*, 7(5):603-616, (1981)
*	DL	Crystal *et al.*, "Administration of an adenovirus containing the human CFTR cDNA to the respiratory tract of individuals with cystic fibrosis," *Nature Genetics*, 8:42-51, (1994)
*	DM	Cumber *et al.*, "Structural Features of the Antibody-A Chain Linkage that Influence the Activity and Stability of Ricin A Chain Immunotoxins," *Bioconj. Chem.*, 3:397-401, (1992)
	DN	Curiel, D.T., "Strategies to Adapt Adenoviral Vectors for Targeted Delivery", *Ann N Y Acad. Sci. U.S.A.*, 886:158-171, (1999)
*	DO	Cybulsky *et al.*, "Extracellular Matrix Modulates Epidermal Growth Factor Receptor Activatio in Rat Glomerular Epithelial Cells," *J. Clin. Invest.*, 94:68-78, (1994)
*	DP	De Boer *et al.*, "The *tac* promoter: A functional hybrid derived fromthe *trp* and *lac* promoters," *Proc. Natl. Acad. Sci. U.S.A.*, 80:21-25, (1983)
*	DQ	Dedhar *et al.*, "Integrin-linked kinase (ILK):a regulator of integrin and growth-factor signalling," *Trends in Cell Biology*, 9:319-323, (1999)
*	DR	Delcommenne *et al.*, "Phosphoinositide-3-OH kinase-dependent regulation of glycogen synthase kinase 3 and protein kinase B/AKT by the integrin-linked kinase," *Proc. Natl. Acad. Sci. U.S.A.*, 95:11211-11216, (1998)
	DS	Derwent# 008252885 WPI Acc. No. 1990-139886/199019 (citing German Application No. CA2000048-A, published April 03, 1990)
	DT	Derwent# 012673994 WPI Acc. No. 1999-480101/199941 (citing German Application No. DE19807265-A1, published February 20, 1998)
	DU	Derwent# 013158333 WPI Acc. No. 2000-330206/200029 (citing German Application No. DE19849643-A1, published May 4, 2000)
	DV	Derwent# 013629234 WPI Acc. No. 2001-113442/200113 (citing German Application No. DE19933288-A1, published January 18, 2001)
	DW	Derwent# 013400334 WPI Acc. No. 2000-572272/200053 (citing PCT Application No. WO200053790-A1, published September 9, 2000)

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	DX	Derwent# 013581395 WPI Acc. No. 2001-065602/200108 (citing Japanese Application No. JP2000290298-A, published October 17, 2000)
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*	DZ	Devereux *et al.*, "A comprehensive set of sequence analysis programs for the VAX," *Nucleic Acids Research*, 129(1):387-395, (1984)
	EA	Dmitriev *et al.*, "Ectodomain of Coxsackievirus and Adenovirus Receptor Genetically Fused to Epidermal Growth Factor Mediates Adenovirus Targeting to Epidermal Growth Factor Receptor-Positive Cells", *J. Virol.*, 74(15):6875-6884 (2000)
*	EB	Douglas *et al.*, "Tageted gene delivery by tropism-modified adenoviral vectors," *Nature Biotechnology*, 14:1574-1578, (1996)
	EC	Doukas *et al.*, "Retargeted delivery of adenoviral vectors through fibroblast growth factor receptors involves unique cellular pathways", *FASEB J.*, 13:1459-1466 (1999)
*	ED	Drasmi, S. and Cossart, P., "Intracellular pathogens and the actin cytoskeleton," *Annu. Rev. Cell. Dev. Biol.*, 14:137-166, (1998)
*	EE	Dror *et al.*, "Mastocytosis cells bearing a c-*kit* activating point mutation are characterized by hypersensitivity to stern cell factor and increased apoptosis," *Br. J. Haematol.*, 108:729-736, (2000)
	EF	Du *et al.*, "Activation of the P13'K-AKT Pathway Masks the Proapoptotic Effects of Farnesyltransferase Inhibitors", *Cancer Research*, 52:4208-4212 (1999)
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	EH	Ebbinghaus *et al.*, "Functional and Selective Targeting of Adenovirus to High-Affinity Fcγ Receptor I-Positive Cells by Using a Bispecific Hybrid Adapter", *J. Virology*, 75(1):480-489, (2001)
*	EI	Everitt *et al.*, "Syntheis and Processing of the Precursor to the Major Gore Protein of Adenovirus Type 2,", *J. Virol.*, 21(1):199-214, (1977)
*	EJ	Fattom *et al.*, "Comparative Immunogenicity of Conjugates Composed of the *Staphylococcus aureus* Type 8 Capsular Polysaccharide Bound to Carrier Proteins by Adipic Acid Dihydrazide or *N*-Succinimidyl-3-(2-Pyridyldithio) propionate," *Infection & Immun.*, 60:584-589, (1992)

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*	EK	Felding-Habermann *et al.*, "Involvement of Integrin αV Gene Expression in Human Melanoma Tumorigenicity," *J. Clin. Invest.*, 89:2018-2022, (1992)
*	EL	Fry *et al.*, "Structure, regulation and function of phosphoinositide 3-kinases," *Biochim. Biophys. Acta.*, 1226:237-238, (1994)
*	EM	Giancotti *et al.*, "Integrin Signalling," *Science*, 285:1028-1032, (1999)
*	EN	Goldman *et al.*, "Targeted Gene Delivery to Kaposi's Sarcoma Cells *via* the Fibroblast Growth Factor Receptor," *Cancer Res.*, 57:1447-1451, (1997)
*	EO	Goldman *et al.*, "Expression of αvβ5 Integrn is Necessary for Efficient Adenovirus-Mediated Gene Transfer in the Human Airway," *J. Virol.*, 69(10):5951-5958, (1995)
*	EP	Gomez-Navarro *et al.*, "Gene Therapy for Cancer," *Eur. J. Cancer*, 35(6):867-885, (1999)
*	EQ	Gordon *et al.*, "Topographical localization of the C-terminal region of the voltage-dependent sodium chammel from *Electrphorus electricus* using antibodies raised against a synthetic peptide," *Proc. Natl. Acad. Sci. U.S.A.*, 84:308-312, (1987)
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*	ES	Graham *et al.*, "Characteristics of a Human Cell Line Transformed by DNA from Human Adenovirus Type 5," *J. Gen. Virol.*, 36:59-71, (1977)
*	ET	Gribskov, M. and Burgess, R., "Sigma factors from *E. coli, B. subtilis,* phage SP01, and phage T4 are homologous proteins," *Nucl. Acids Res.*, 14:6745-6763, (1986)
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*	EV	Gu *et al.*, "Fibroblast Growth Factor 2 Retargeted Adenovirus Has Redirected Cellular Tropism: Evidence for Reduced Toxicity and Enhanced Antitumor Activity in Mice," *Cancer Research*, 59:2608-2614, (1999)
*	EW	Gullick *et al.*, "Prevalence of aberrant expression of the epidermal growth factor receptor in human cancers," *British Medical Bulletin*, 47(1):87-98, (1991)
*	EX	Guo *et al.* "Tumor Necrosis Factor Promotes Phoshorylation and Binding of Insulin Receptor Substrate 1 to Phosphatidylinositol 3-Kinase in 3t3-L1 Adipocytes," *J. Biol. Chem.*, 271(12):615-618, (1996)

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*	EY	Hall *et al.*, "Rho GTPases and the Actin Cytoskeleton," *Science*, 279:509-514, (1998)
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*	FA	Hazum *et al.*, "A photocleavable Protecting Group for the Thiol Function of Cysteine," *Pept. Proc. Eur. Pept. Symp. 16th.*, Brunfeldt, K (Ed), pp. 105-110, (1981)
*	FB	Herisse *et al.*, "Nucleotide sequence of adenovirus 2 DNA fragment encdoing for the carboxylic region of the fiber protein and the entire E4 region," *Nucl. Acids Res.*, 9(16):4023-4042, (1981)
*	FC	Hordijk *et al.*, "Inhibition of Invasion of Epithelial Cells by Tiam1-Rac Signalling," *Science*, 278:1464-1466, (1997)
*	FD	Hotamisligil *et al.*, "Tumor necrosis factor α inhibits signalling from the insulin receptor," *Proc. Natl. Acad. Sci. U.S.A.*, 91:4854-4858, (1994)
*	FE	Hu *et al.*, "Interaction of Phosphatidylinositol 3-Kinase-Associated p85 with Epidermal Growth Factor and Platelet-Derived Growth Factor Receptors," *Mol. Cell. Biol.*, 12(3):981-90, (1992)
*	FF	Huang *et al.*, "A Single Amino Acid in the Adenovirus Type 37 Fiber Confers Binding to Human Conjunctival Cells," *J. Virol.*, 73(4):2798-2802, (1996)
*	FG	Huang *et al.*, "Adenovirus Interaction with Distinct Integrins Mediates Separate Events in Cell Entry and Gene Delivery to Hematopoietic Cells," *J. Virol.*, 70(7):4502-4508, (1996)
*	FH	Huang *et al.*, "Cell growth and matrix invasion of EBV-immortalized human B lymphocytes is regulated by expression of α_v integrins," *Oncogene*, 19(15):1915-1935, (2000)
*	FI	Huang *et al.*, "Upregulation of Integrins $\alpha_v\beta_3$ and $\alpha_v\beta_5$ on Human Monocytes and T Lymphocytes Facilitates Adenovirus-Mediated Gene Delivery," *J. Virol.*, 69(4):2257-2263, (1995)
*	FJ	Ireton *et al.*, "A Role for Phosphoinositide 3-Kinase in Bacterial Invasion," *Science*, 274:780-782, (1996)
*	FK	Jaakkola *et al.*, "Amplification of *fgfr4* Gene in Human Breast and Gynecological Cancers," *Int. J. Cancer.*, 54:378-382, (1993)

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*	FL	Jones *et al.*, "Regulation of Tenascin-C,a Vascular Smooth Muscle Cell Survival Factor that Interacts with the $\alpha\_v\beta\_3$ Integrin to Promote Epidermal Growth Factor Receptor Phosphorylation and Growth," *J. Cell Biol.*, 139::279-293, (1997)
*	FM	Karlsson *et al.*, "Kinetic analysis of monoclonal antibody-antigen interactions witha new biosensor based analytical system," *J. Immunol. Methods*, 145:229-240, (1991)
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*	FO	Kay *et al.*, "Gene Therapy," *Proc. Natl. Acad. Sci. U.S.A.*, 94:12744-12746, (1997)
*	FP	Kim *et al.*, *Bioch. Bioph. Acta*, 728:339-348, (1983)
*	FQ	Kinloch *et al.*, "Adenovirus hexon: sequence comparison of subgroup c serotypes 2 and 5," *J. Biol. Chem.*, 259:6431-6436, (1984)
	FR	Kiosses *et al.*, "Rac recruits high-affinity integrin $\alpha v\beta 3$ to lamellipodia in endothelial cell migration", *Nature Cell Biology*, 3:316-320, (2001)
*	FS	Klarlund *et al.*, "Signaling by Phosphoinositide-3,4,5- Trisphosphate Through Proteins Containing Pleckstrin and sec7 Homology Domains," *Science*, 275:1927-1930, (1997)
*	FT	Kobrin *et al.*, "Aberrant Expression of Type I Fibroblast Growth Factor Receptor in HUman Pancreatic Adenocarcinomas," *Cancer Res.*, 53:4741-4744, (1993)
*	FU	Korc, M., "Role of Growth Factors in Pancreatic Cancer," *Surg. Oncol. Clin. N. Am.*, 7:25-41, (1998)
*	FV	Kotani *et al.*, "Involvement of phosphoinositide 3-kinase in insulin- or IGF-1-induced membrane ruffling," *EMBO J.*, 13(10):2313-2321, (1994)
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*	FX	Krasnykh, V., "Generation of Recombinant Adenovirus vectors with Modified Fibers for Altering Viral Tropism," *J. Virol.*, 70(10):6839-6846, (1996)
*	FY	Lamaze *et al.*, "The Actin Cytoskeleton is Required for Receptor-mediated endocytosis in Mammalian Cells," *J. Biol. Chem.*, 272:20332-20335, (1997)

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* KO	FZ	Legrand *et al.*, "Fiberless Recombinant Adenoviruses: Virus Maturation and Infectivity in the Absence of Fiber," *J. Virol.*, 73(2):907-919, (1999)
*	GA	Lei *et al.*, "Characterization of the *Erwinia carotovora pel*B Gene and ITs Product Pectate Lysase," *J. Bacteriol.*, 169(9):4379-4383, (1987)
*	GB	Lernhardt *et al.*, "New Baculovirus Transfer Vectors for Efficient Secretion of Recombinant Proteins," *STRATEGIES in molecular biology, a STRATEGENE Newsletter*, 6:20-21, (1993)
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*	GE	Li *et al.*, "Association of p130^(cas) with Phosphatidylinositol-3-OH-Kinase Mediates Adenovirus Cell Entry," *J. Biol. Chem.*, 275(19):14729-14735, (2000)
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*	GG	Luckow *et al.*, "Trends in the Development of Baculovirus Expression Vectors," *Bio/technology*, 6:47-55, (1988)
*	GH	Luo *et al.*, "Differential effects of the RAC GTPase on Purkinje cellaxons ans dendeitic trunks and spines," *Nature*, 379:837-840, (1996)
*	GI	Luo *et al.*, "Distinct morphogenetic functions of similar small GTPases:*Drosophila* Drac1 is involved in axonal outgrowth and my myoblast fusion," *Genes & Development*, 8:1787-1802, (1994)
*	GJ	Mahan *et al.*, "Phase Changes Enzyme Immunoassay," *Anal. Biochem.*, 162:163-170, (1987)
*	GK	Mathias *et al.*, "Interactions of Soluble Recombinant Integrin $\alpha v\beta 5$ with Human Adenoviruses," *J. Virol.*, 72(11):8669-8675, (1998)
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	GM	Metzner *et al.*, "Phosphatidylinositol 3-kinase regulates actin stress fiber formation and the avidity of the integrin-receptor $\alpha v\beta 3$ in human melanoma cells", *J. Invest. Dermatol.*, Abstract: P-196, pg. 494
	GN	Miller *et al.*, "Differential Susceptibility Primary and Established Human Glioma Cells to Adenovirus Infection: Targeting via the Epidermal Growth Factor Receptor Achieves Fiber Receptor-independent Gene Transfer", *Cancer Res.*, 58:5738-5748, (1998)
*	GO	Miyamoto *et al.*, "Integrins Can Collaborate with Growth Factors for Phosphorylation of Receptor Tryosine Kinases and MAP Kinase Activation: Roles of Integrin Aggregation and Occupancy of Receptors," *J. Cell Biol.*, 135:1633-1642, (1996)
*	GP	Moore *et al.*, "Inhibition of Epstein-Barr Virus Infection In Vitro and In Vivo by Soluble CR2 (CD21) Containing Two Short Consensus Repeats," *J. Virol.*, 65:3559-3565, (1991)
*	GQ	Moro *et al.*, "Integrins induce activation of EGF receptor: role in MAP kinase induction and adhesion-dependent cel survival," *EMBO J.*, 17:6622-6632, (1998)
	GR	Morrison *et al.*, "Basic fibroblast growth factor and fibroblast growth factor receptor I are implicated in the growth of human astrocytomas," *J. Neuro-Oncol.*, 18:207-216, (1994)
	GS	Mott *et al.*, "Maximizing gene expression from plasmid vectors containing the λ P_L promoter: Strategies for overproducing transcription termination factor ρ," *Proc. Natl. Acad. Sci. U.S.A.*, 82:88-92, (1985)
	GT	Munker *et al.*, "Tumor Necrosis Factor: Receptors on Hematopoietic Cells," *Blood*, 70(6):1730-1734, (1987)
*	GU	Nakamura *et al.*, "DNA Sequence of the Gene for the Outer Membrane Lipoprotein of E. coli: an Extremely AT-Rich Promoter," *Cell*, 18:1109-1117, (1979)
*	GV	Narang *et al.*, "Improved Phosphotriester Method for the Synthesis of Gene Fragments," *Methods in Enzymol.*, 68:90-98, (1979)
*	GW	Needleman, S. and Wunsch, C., "A General Method Applicable to the Search for Similarities in the Amino Acid Sequence of Two Proteins," *J. Mol. Biol.*, 48:443-453, (1970)
*	GX	Nemerow, GR., "Cell Receptors involved in Adenovirus Entry," *Virol.*, 274(1):1-4, (2000)
*	GY	Nemerow, G. and Cooper, N. "Early Events in the Infection of Human B Lymphocytes by Epstein-Barr Virus: The Internalization Process," *Virol.*, 132:186-198, (1984)

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*	GZ	Nemerow Laboratory at the Scripps Research Institute WEB Cite Abstract at http://www.scripps.edu/imm/nemerow/researc.htm last updated July 2, 1999
*	HA	Nemerow, G. and Stewart, P., "Role of α_v Integrins in Adenovirus Cell Entry and Gene Delivery," *Microbiol. Mol. Biol. Rev.*, 63(3):725-734, (1999)
*	HB	Nemerow, G. and Cooper, N., "Virus Receptors on Lymphoid Cells," *Methods in Enzymol.*, 150:548-558, (1987)
*	HC	Neumann *et al.*, "Determination of the nucleotide sequence for the penton=base gene of human adenovirus type 5," *Gene*, 69:153-157, (1988)
*	HD	Nobes, C and Hall, A., "Rho, Rac, and Cdc42 GTPases Regulate the Assembly of Multimolecular Focal Complexes Associated with Actin Stress Fibers, Lamellipodia, and Filopodia," *Cell*, 81:53-62, (1995)
*	HE	Palmiter *et al.*, "Germ-line Transformation of Mice," *Ann. Rev. Genet.*, 20:465-499, (1986)
*	HF	Pampori *et al.*, "Mechanisms and Consequences of Affinity Modulation of Integrin $\alpha\_v\beta\_3$ Detected with a Novel Patch-engineered Monovalent Ligand," *J. Biol. Chem.*, 274(31):21609-21616, (1999)
*	HG	Pastorino *et al.*, "Genetic Changes in Lung Cancer," *J. Cell. Biochem.*, Supplement 17F:237-248, (1993)
*	HH	Patterson *et al.*, "Ultrastructural and Immunofluorescence Studies of Early Events in Adenovirus-HeLa Cell Interactions," *J. Gen. Virol.*, 64:1091-1099, (1983)
*	HI	Pearson *et al.*, "Improved tools for biological sequence comparison," *Proc. Natl. Acad. Sci. U.S.A.*, 85:2444-2448, (1988)
*	HJ	Petitclerc *et al.*, "The effect of varoius introns and transcription terminators on the efficiency of expression vectors in various cultured cell lines and in the mammary gland of transgenic mice," *J. Biotechnol.*, 40: 169-178, (1995)
*	HK	Pomerance *et al.*, "Effects of Growth Factors on Phosphatidylinositol-3 Kinase in Astroglial Cells," *J. Neurosci. Res.*, 40:737-746, (1995)
*	HL	Pusztai *et al.*, "Expression of tumour necrosis factor α and its receptors in carcinoma of the breast," *Br. J. Cancer*, 70:289-292, (1994)

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*	HM	Ridley *et al.*, "The small GTP-Binding Protein rho Regulates the Assembly of Focal Adhesions and Actin Stress Fibers in response to Growth Factors," *Cell*, 70:389-399, (1992)
*	HN	Riordan *et al.*, "Identification of teh Cystic Fibrosis Gene: Cloning and Characterization of Complementary DNA," *Science*, 245:1066-1073, (1989)
*	HO	Roberts *et al.*, "DNA Sequences from the Adenovirus 2 Genome," *J. Biol. Chem.*, 259(22):13968-13975, (1984)
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*	HT	Schwartz, R. and Dayhoff, M., "Matrices for Detecting Distant Relationships," Chapter 23 of *ATLAS OF PROTEIN SEQUENCE AND STRUCTURE* Dayhoff, M.O. ed. National Biomedical Research Foundation pp.353-358 (1978)
*	HU	Senter *et al.*, "Novel Photocleavable Protein Crosslinking Reagents and Their Use in the Preparation of Antibody-Toxin Conjugates," *Photochem. Photobiol.*, 42:231-237, (1985)
*	HV	Shenk, T., "*Adenoviridae*: The Viruses and Their Replication," Chapter 67 in *Fields Virology* Fields *et al.* eds. Lippincott-Raven, Philadelphia,pp.2111-2148 (1996)
*	HW	Shepherd *et al.*, "Phoshoinositide 3-kinase: the key switch mechanism in insulin signalling," *Biochem. J.*, 333(3):471-490, (1998)
*	HX	Smith, D. and Johnson, K., "Single Step purification of polypeptides expressed in *Escherichia coli* as fusions with glutathione S-transferase," *Gene*, 67:31-40, (1988).
*	HY	Smith, T and Waterman, M., "Comparison of Biosequences," *Adv. Appl. Math.*, 2:482, (1981)
*	HZ	Soldi *et al.*, "Role of $\alpha\_v\beta\_3$ integrin in the activation of vascular endothelial growth factor receptor-2," *EMBO J.*, 18(4):882-892, (1999)

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*	IA	Stewart *et al.*, "Cryo-EM visualization of an exposed RGD epitope on adenovirus that escapes antibody neutralization," *EMBO J.*, 16:1189-1198, (1997)
*	IB	Stewart, P. and Nemerow, G., "Recent structural solutions for antibody neutralization of viruses," *Trends in Microbiol.*, 5(6):229-233, (1997)
*	IC	Stratford-Perricaudet *et al.*, "Widespread Long-term Gene Transfer to Mouse Skeletal Muscles and Heart," *J. Clin. Invest.*, 90:626-630, (1992)
*	ID	Studier *et al.*, "Use of T7 RNA Polymerase to Direct Expression of Cloned Genes," *Meth. Enzymol.*, 185:60-89, (1990)
*	IE	Summerford *et al.*, "$\alpha V\beta 5$ integrin: a co-receptor for adeno-associated virus type 2 infection," *Nature Medicine*, 5(1):78-82, (1999)
*	IF	Surmacz *et al.*, "Function of teh IGF-I Receptor in Breast Cancer," *J. Mamm. Gland Biol. Neoplasia*, 5:95-105, (2000)
	IG	Tanaka, Y., "Integrin activation by chemokines: Relevance to Inflammatory adhesion cascade during T cell migration", *Histopathol*, 15:1169-1176, (2000)
*	IH	Tapon *et al.*, "Rho, Rac and Cdc42 GTPases regulate the organization of the actin cytoskeleton," *Curr. Opin. Cell Biol.*, 9:86-92, (1997)
*	II	Thorpe *et al.*, "New Coupling Agents for the Synthesis of Immunotoxins Containing a Hindered Disulfide Bond with Improved Stability *in Vivo*," *Cancer Res.*, 47:5924-5931, (1987)
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*	IK	Toker *et al.*, "Signalling through the lipid products of phosphoinositide-3-OH kinase," *Nature*, 387:673-676, (1997)
*	IL	Tomko *et al.*, "HCAR and MCAR: the human and mouse cellular receptors for subgroup C adenoviruses and group B coxsackieviruses," *Proc. Natl. Acad. Sci. U.S.A.*, 94:3352-3356, (1997)
*	IM	Tonary *et al.*, "Lack of expression of c-*KIT* in Ovarian Cancers is Associated with Poor Prognosis," *Int. J. Cancer*, 89:242-250, (2000)
*	IN	Trousdale *et al.*, "Role of Adenovirus Type 5 Early Region 3 in the Pathogenesis of Ocular Disease and Cell Culture Infection," *Cornea*, 14:280-289, (1995)

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	IO	Tu *et al.*, "The Phosphatidylinositol 3-Kinase/AKT Kinase Pathway in Multiple Myeloma Plasma Cells: Roles in Cytokine-dependent Survival and Proliferative Responses", *Cancer Res.*, 60:6763-6770, (2000)
*	IP	Ueda *et al.*, "Humanmonocyte chemoattractant protein-1 expressed in a baculovirus system," *Gene*, 140:267-272, (1994)
*	IQ	Uematsu *et al.*, "A novel and rapid cloning method for the T-cell receptor variable region sequences," *Immunogenet.*, 34:174-178, (1991)
*	IR	Vialard *et al.*, "Synthesis of the Membrane Fusion and Hemagglutinin Proteins of Measles Virus, Using a Novel Baculovirus Vector Containing the β-Galactosidase Gene," *J. Virol.*, 64:37-50, (1990)
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*	IT	Vigne *et al.*, "RGD Inclusion inthe Hexon Monomer Provides Adenovirus Type 5-Based vectors with a Fiber Knob-Independent Pathway for Infection," *J. Virol.*, 73(6):5156-5161, (1999)
*	IU	von Seggern *et al.*, "A Helper-Independent Adenovirus Vector with E1, E3, and Fiber Deleted: Structure and Infectivity of Fiberless Particles," *J. Virol.*, 73(2):1601-1608, (1999)
*	IV	von Seggern *et al.*, "Complementation of a fibre mutant adenovirus by packaging cell lines stably expressing the adenovirus type 5 fibre protein," *J. Gen. Virol.*, 79:1461-1468, (1998)
*	IW	von Seggern *et al.*, "Adenovirus Vector Pseudotyping in Fiber-Expressing Cell Lines: Improved Transduction of Epstein-Barr Virus-Transformed B Cells," *J. Virol.*, 74:354-362, (2000)
*	IX	von Heijne, G., "Signal Sequences: The Limits of Variation" *J. Mol. Biol.*, 184:99-105, (1985)
*	IY	Vuori *et al.*, "Association of Insulin Receptor Substrate-1 with Integrins," *Science*, 266:1576-1578, (1994)
*	IZ	Waage *et al.*, "p55 and p75 Tumor Necrosis Factor Receptors in patients with Chronic Lymphocytic Leukemia," *Blood*, 80:2577-2583, (1992)

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*	JA	Walden *et al.*, "Major Histocompatibility Complex-Restricted and Unrestricted Activation of Helper T Cell Lines by Liposome-Bound Antigens," *J. Mol. Cell. Immunol.*, 2:191-197, (1986)
*	JB	Wang *et al.*, "Adenovirus Internalization and Infection Require Dynamin," *J. Virol.*, 72(4): 3455-3458, (1998)
*	JC	Wang *et al.*, "Regulation of Adenovirus Membrane Penetration by the Cytoplasmic Tail of Integrin β5," *J. Virol.*, 74(6):2731-2739, (2000)
*	JD	Watkins *et al.*, "The 'adenobody'approach to viral targeting: specific and enhanced adenoviral gene delivery," *Gene Therapy*, 4:1004-1012, (1997)
*	JE	Watson *et al.*, *Molecular Biology of the Gene*, 4th Edition, 1987, The Benjamin/Cummings Pub. co., p.224
*	JF	Wawryznaczak *et al.*, "Molecular and biological properties of an abrin A chain immunotoxin designed for therapy of human small cell lung cancer," *Br. J. Cancer*, 66:361-366, (1992)
*	JG	Welhöner *et al.*, "Uptake and Concentration of Bioactive Macromolecules by K562 Cells via the Transferrin Cycle Utilizing an Acid-labile Transferrin Conjugate," *J. Biol. Chem.*, 266:4309-4314, (1991)
*	JH	Wennström *et al.*, "Activation of phosphoinositide 3-kinase is required for PDGF-stimulted membrane ruffling," *Curr. Biol.*, 4(5):385-393, (1994)
*	JI	Whitman *et al.*, "Type I phosphatidylinositol kinase makes a novel inositol phospholipid, phosphatidylinositol-3-phosphate," *Nature*, 332:644-646, (1988)
*	JJ	Wickham *et al.*, "Adenovirus targeted to heparan-containing receptors increases its gene delivery efficiency to multiple cell types," *Nature Biotechnol.*, 14:1570-1573, (1996)
*	JK	Wickman *et al.*, "Comparison of Different Cell Lines for the Production of Recombinant Baculovirus Proteins," *Methods Mol. Biol.*, 39:385-395, (1995)
*	JL	Wickham *et al.* "Integrins $\alpha_v\beta_3$ and $\alpha_v\beta_5$ Promote Adenovirus Internalization but Not Virus Attachment," *Cell* 73:309-19 (1993)
*	JM	Wickham *et al.*, "Integrin $\alpha_v\beta_5$ Selectively Promotes Adenovirus Mediated Cell Membrane Permeabilization," *J. Cell Biol.*, 127(1):257-264, (1994)

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*	JN	Wickham *et al.*, "Screening of Insect Cell Lines for the Production of Recombinant Proteins and Infectious Virus in the Baculovirus Expression System," *Biotechnol. Prog.*, 8:391-396, (1992)
	JO	Wickham *et al.*, "Targeted Adenovirus Gene Transfer to Endothelial and Smooth Muscle Cells by Using Bispecific Antibodies", *J. Virology*, 70(10):6831-6838, (1996)
	JP	Wickham *et al.*, "Targeted Adenovirus-Mediated Gene Delivery to T Cells via CD3", *J. Virology*, 71(10):7663-7669, (1997)
	JQ	Witke *et al.*, "In mouse brain profilin I and profilin II associate with regulators of the endocytic pathway and actin assembly," *EMBO J.*, 17(4):967-976, (1998)
	JR	Woodard *et al.*, "The synergistic activity of α_vβ_3 integrin and PDGF receptor increases cell migration," *J. Cell Sci.*, 111:469-478, (1998)
	JS	Wymann, M.P. and Pirola, L., "Structure and function of phosphoinositide 3-kinases", *BBA, Acta*, 1436:127-150, (1998)
	JT	Xerri *et al.*, "Expression of FGF1 and FGFR1 in human melanoma tissues," *Melanoma Res.*, 6:223-230, (1996)
	JU	Xiang *et al.*, "Genetic engineering of a recombinant fusion possessing anti-tumor F(ab')2 and tumor necrosis factor," *J. Biotechnol.*, 53:3-12, (1997)
	JV	Yeh *et al.*, "Cytokines Modulate Integrin $\alpha v\beta 3$ -Mediated Human Endothelial Cell Adhesion and Calcium Signaling", *Experimental Cell Res.*, 251:57-66, (1999)
	JW	Yen *et al.*, "Optically controlled ligand delivery, 1: Synthesis of water-soluble copolymers containing photocleavable bonds," *Makromol. Chem.*, 190:69-82, (1989)
	JX	Yoshida *et al.*, "Growth factors in progression of human esophageal and gastric carcinomas," *Exp. Pathol.*, 40:291-300, (1990)
	JY	Zabner *et al.*, Adenovirus-Mediated Gene Transfer Transiently Corrects the Chloride Transport Defect in Nasal Epithelia of Patients with Cystic Fibrosis," *Cell*, 75:207-216, (1993)
	JZ	Zhao *et al.*, "Mapping protein-protein interactions by affinity-directed mass spectrometry," *Proc. Natl. Acad. Sci. U.S.A.*, 93:4020-4024, (1996)
	KA	Zhao *et al.*, "Protein Epitope Mapping by Mass Spectrometry," *Anal. Chem.*, 66:3723-3726, (1994)

EXAMINER | DATE CONSIDERED 5/29/05

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED GENE DELIVERY**

Date mailed:

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Nemerow et al.	
	FILING DATE July 10, 2000	GROUP 1632

	JQ	Witke *et al.*, "In mouse brain profilin I and profilin II associate with regulators of the endocytic pathway and actin assembly," *EMBO J.*, 17(4):967-976, (1998)
	KB	Zheng *et al.*, "Substrate Specificity of $\alpha v\beta 3$ Integrin-mediated Cell Migration and Phosphatidylinositol 3-Kinase/AKT Pathway Activation", *J. Biol. Chem.*, 275(32):24565-24574, (2000)
	KC	Zigmond *et al.*, "Signal transduction and actin filament organization," *Curr. Biol.*, 8:66-73, (1996)

EXAMINER | DATE CONSIDERED 9/29/05

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	FILING DATE July 10, 2000	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

(*) References previously cited (X) Derwent English language abstract and/or English translation provided.

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes	Translation No

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

MW	A	Li *et al.*, "Production of functional antibodies generated in a nonlytic insect cell expression sysytem.", *Protein Expression and Purification*, 21(1):121-128, (2001)
✓	B	Watkins *et al.*, "Targeting adenovirus-mediated gene delivery with recombinant antibodies," *Immunotechnology*, 2(4) :307, (1996).

EXAMINER [signature] DATE CONSIDERED 5/29/03

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Title: **BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED GENE DELIVERY**

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT NEMEROW *et al.*	
	FILING DATE July 10, 2001	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation	
MO		7 3 1 9 1 1	04/05/01	Australia	C12N 015	86		

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EXAMINER MLM | DATE CONSIDERED 5/29/B

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Title: **ARTIFICIAL CHROMOSOMES, USES THEREOF AND METHODS FOR PREPARING ARTIFICIAL CHROMOSOMES**

FORM PTO-1449 (Modified)	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT NEMEROW *et al.*	
	FILING DATE July 10, 2001	GROUP 1632

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	NAME	CLASS	SUB CLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUB CLASS	Translation	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	A	Nemerow, NIH Grant EY11431, "Role of Cell Integrins in Adenoviral Conjunctivitis", funding period from 01/01/97 to 12/31/04.
	B	Nemerow, NIH Grant HL54352, "Alpha-V Integrins and Adenovirus Cell Entry", funding period from 01/20/95 to 12/31/03.

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Title: **BIFUNCTIONAL MOLECULES AND VECTORS COMPLEXED THEREWITH FOR TARGETED GENE DELIVERY**

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FORM PTO-1449	ATTY. DOCKET NO. 22908-1228B	SERIAL NO. 09/903,327
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT	APPLICANT Nemerow et al.	
	FILING DATE July 10, 2001	GROUP 1632

* If an asterisk is placed beside the reference number, a copy is NOT provided because the reference was previously cited by or submitted to the PTO in a prior application that is identified in the statement and relied upon for an earlier filing date under 35 U.S.C. 120. 37 C.F.R. § 1.98(d).

*Derwent English language abstract and/or English translation provided.

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE
	A	6 1 2 7 5 2 5	10/03/00	Crystal *et al.*	530	388.22	03/13/97

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	*Ref. Code	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	Translation Yes	Translation No
NONE								

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

	B	Fender *et al.*, "Antigenic sites on the receptor-binding domain of human adenovirus type 2 fiber", *Virology*, 214:110-117 (1995)
	C	Arnberg *et al.*, "Fiber genes of adenoviruses with tropism for the eye and the genital Tract", *Virology*, 227:239-244 (1997)
	D	Reichel *et al.*, "Immune responses limit adenovirally mediated gene expression in the adult mouse eye", *Gene Therapy*, 5(8):1038-1046 (1998)

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